

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Graves County, Kentucky**

**Kentucky State Nature Preserves
Commission
801 Schenkel Lane
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Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Graves	Vascular Plants	<i>Carex hystericina</i>	Porcupine Sedge	H /	G5 / SH	0	1	0	0	0
Graves	Vascular Plants	<i>Carex seorsa</i>	Weak Stellate Sedge	S /	G4 / S2S3	1	0	0	0	0
Graves	Vascular Plants	<i>Chelone obliqua</i> var. <i>speciosa</i>	Rose Turtlehead	S /	G4T3 / S3	1	0	0	0	0
Graves	Vascular Plants	<i>Gleditsia aquatica</i>	Water Locust	S /	G5 / S3?	1	0	0	0	0
Graves	Vascular Plants	<i>Hieracium longipilum</i>	Hairy Hawkweed	T /	G4G5 / S2	0	1	0	0	0
Graves	Vascular Plants	<i>Hydrocotyle ranunculoides</i>	Floating Pennywort	E /	G5 / S1S2	1	0	0	0	0
Graves	Vascular Plants	<i>Limnobium spongia</i>	American Frog's-bit	T /	G4 / S2S3	1	0	0	0	0
Graves	Vascular Plants	<i>Najas gracillima</i>	Thread-like Naiad	S /	G5? / S2S3	0	1	0	0	0
Graves	Vascular Plants	<i>Paspalum boscianum</i>	Bull Paspalum	S /	G5 / S2S3	1	0	0	0	0
Graves	Vascular Plants	<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root	S /	G4 / S3	0	1	0	0	0
Graves	Vascular Plants	<i>Ptilimnium capillaceum</i>	Mock Bishop's-weed	T /	G5 / S1S2	1	1	0	0	0
Graves	Vascular Plants	<i>Rudbeckia subtomentosa</i>	Sweet Coneflower	E /	G5 / S1	0	1	0	0	0
Graves	Vascular Plants	<i>Verbena canadensis</i>	Rose Mock-verbain	H /	G5 / SH	0	0	0	1	0
Graves	Freshwater Mussels	<i>Toxolasma texasiensis</i>	Texas Lilliput	E /	G4 / S1	1	0	0	0	0
Graves	Freshwater Mussels	<i>Villosa lienosa</i>	Little Spectaclecase	S /	G5 / S3S4	1	0	0	0	0
Graves	Crustaceans	<i>Cambarellus puer</i>	Swamp Dwarf Crayfish	E /	G5 / S1	1	0	0	0	0
Graves	Crustaceans	<i>Orconectes palmeri palmeri</i>	Gray-Speckled Crayfish	E /	G5T5 / S1	1	0	0	0	0
Graves	Crustaceans	<i>Procambarus viaeviridis</i>	Vernal Crayfish	T /	G5 / S1	1	0	0	0	0
Graves	Insects	<i>Amphiagrion saucium</i>	Eastern Red Damsel	E /	G5 / S1	1	0	0	0	0
Graves	Insects	<i>Papaipema</i> sp. 5	Rare Cane Borer Moth	T /	G1G2 / S1S2	1	0	0	0	0
Graves	Fishes	<i>Cyprinella camura</i>	Bluntnose Shiner	E /	G5 / S1	13	0	0	0	0
Graves	Fishes	<i>Cyprinella venusta</i>	Blacktail Shiner	S /	G5 / S3	1	2	0	0	0
Graves	Fishes	<i>Erimyzon sucetta</i>	Lake Chubsucker	T /	G5 / S2	2	1	0	0	0
Graves	Fishes	<i>Etheostoma chienense</i>	Relict Darter	E / LE	G1 / S1	10	0	0	0	0
Graves	Fishes	<i>Etheostoma lynceum</i>	Brighteye Darter	E /	G5 / S1	5	0	0	0	0
Graves	Fishes	<i>Etheostoma parvipinne</i>	Goldstripe Darter	E /	G4G5 / S1	5	3	0	0	0
Graves	Fishes	<i>Etheostoma pyrrhogaster</i>	Firebelly Darter	E / SOMC	G2G3 / S1	9	0	0	0	0
Graves	Fishes	<i>Etheostoma swaini</i>	Gulf Darter	E /	G5 / S1	11	3	0	0	0

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Graves	Fishes	<i>Hybognathus hayi</i>	Cypress Minnow	E /	G5 / S1	1	4	0	1	0
Graves	Fishes	<i>Lampetra sp. 1</i>	Undescribed Terrapin Creek brook lamprey	E /	GNR / S1	9	0	0	0	0
Graves	Fishes	<i>Lepomis marginatus</i>	Dollar Sunfish	E /	G5 / S1	14	0	0	1	0
Graves	Fishes	<i>Lepomis miniatus</i>	Redspotted Sunfish	T /	G5 / S2	3	0	0	0	0
Graves	Fishes	<i>Moxostoma poecilurum</i>	Blacktail Redhorse	E /	G5 / S1	5	0	0	0	0
Graves	Fishes	<i>Notropis maculatus</i>	Taillight Shiner	T /	G5 / S2S3	1	1	0	0	0
Graves	Fishes	<i>Noturus hildebrandi</i>	Least Madtom	E /	G5 / S1	3	0	0	0	0
Graves	Fishes	<i>Noturus phaeus</i>	Brown Madtom	E /	G4 / S1	6	2	0	0	0
Graves	Fishes	<i>Umbra limi</i>	Central Mudminnow	T /	G5 / S2S3	15	1	0	1	0
Graves	Amphibians	<i>Eurycea guttolineata</i>	Three-lined Salamander	T /	G5 / S2	1	0	0	0	0
Graves	Amphibians	<i>Hyla avivoca</i>	Bird-voiced Treefrog	S /	G5 / S3	1	0	0	0	0
Graves	Amphibians	<i>Hyla cinerea</i>	Green Treefrog	S /	G5 / S3	2	0	0	0	0
Graves	Amphibians	<i>Rana areolata circulosa</i>	Northern Crawfish Frog	S /	G4T4 / S3	7	2	0	0	0
Graves	Reptiles	<i>Clonophis kirtlandii</i>	Kirtland's Snake	T / SOMC	G2 / S2	1	0	0	0	0
Graves	Reptiles	<i>Farancia abacura reinwardtii</i>	Western Mud Snake	S /	G5T5 / S3	3	0	0	0	0
Graves	Reptiles	<i>Thamnophis proximus proximus</i>	Western Ribbon Snake	T /	G5T5 / S1S2	1	0	0	0	0
Graves	Reptiles	<i>Thamnophis sauritus sauritus</i>	Eastern Ribbon Snake	S /	G5T5 / S3	1	0	0	0	0
Graves	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	0	0	0	2	0
Graves	Breeding Birds	<i>Ardea alba</i>	Great Egret	E /	G5 / S1B	0	0	1	0	0
Graves	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	1	0	0	0	0
Graves	Mammals	<i>Myotis austroriparius</i>	Southeastern Myotis	E / SOMC	G3G4 / S1S2	0	1	0	0	0
Graves	Mammals	<i>Nycticeius humeralis</i>	Evening Bat	S /	G5 / S3	1	0	0	0	0
Graves County Total:						146	26	1	6	0